

switching automatically to fixed networks when quality deficiencies have been ascertained in the signal.

A1 cont.

In addition, in Japanese Laid-Open Patent Application No. 01 293020, a method is described for replacing defective satellite transmission channels by lines of fixed networks. Just as the method described above, this method is not usable for the case when lines of a fixed network break down and free transmission capacity of satellite systems is used for them.--

On page 1, line 26, insert --Summary Of The Invention--.

On page 1, line 27, change "The" to ~~An~~.

On page 1, line 27, before "invention" insert ~~present~~.

On page 2, delete lines 5-13.

On page 3, line 22, before "invention" insert --present--.

On page 3, delete lines 24-30 and in their place insert:

--Brief Description Of The Drawings

Figure 1 shows a basic circuit diagram of a system according to the present invention for the substitution of out-of-order lines of a terrestrial network by alternative routing through a satellite connection.

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Figure 2 shows a carrier pool for use in accordance with the present invention.

Figure 3A shows a first flow chart according to the present invention.

Figure 3B shows a second flow chart according to the present invention.

Detailed Description--.

On page 4, line 5, change "Fig." to --Figure--.

On page 4, line 7, change "Fig." to ~~Figure~~.

On page 5, line 13, change "Fig." to ~~Figure~~.

On page 5, line 19, change "Fig." to ~~Figure~~.

On page 11, line 30, change "Fig." to --Figures--.

On page 12, line 35, after "out" ~~insert~~ --(step 155)--.

On page 12, line 35, after "identical" ~~insert~~ --(step 165)--.

On page 13, line 2, before " ." insert --(steps 175, 180)--.

On page 13, line 2, after "free" ~~insert~~ --(step 185)--.

On page 13, line 3, after "address" ~~insert~~ --(step 155)--.

On page 13, line 4, before " ." ~~insert~~ --(step 190)--.

On page 13, line 5, after "expired" ~~insert~~ --(step 170)--.

On page 13, line 6, after "expired" ~~insert~~ --(step 170)--.

On page 13, line 7, before " ." ~~insert~~ --(steps 130, 140)--.

W On page 13, line 7, after "free" ~~insert~~ --(step 150)--.

On page 13, line 8, after "again" ~~insert~~ --(step 155)--.

On page 13, line 9, after "free" ~~insert~~ --(step 150)--.

On page 13, line 9, before " ." (second occurrence) ~~insert~~ --(step 160)--.

On page 13, delete lines 12-14.

On page 16, line 1, change "Patent Claims" to --What Is Claimed Is--.

In The Claims:

Please cancel original claims 1-14 and cancel substitute claims 1, 7, and 9,
without prejudice, and add new claims 15-28 as follows:

15. (New) A process for controlling a use of a satellite transmission capacity in order to achieve a substitution of out-of-order data lines in terrestrial networks such that an alternative routing via a satellite is initiated and monitored and an assignment is effected with respect to the alternative routing, the process comprising the steps of:

causing a plurality of controllers controlled by software and respectively allocated to one of a master terminal and a slave terminal to achieve a control that is automatic, decentralized, and local;

causing the plurality of controllers to detect a need for the alternative routing based on an analysis of a data control signal from a data transmission device of a user;